MINISTÉRIO DA AERONÁUTICA DEPARTAMENTO DE PESQUISAS E DESENVOLVIMENTO CENTRO TÉCNICO AEROESPACIAL

	EH-8401-02
TYPE CERTIFICATE DATA SHEET Nº EH-8401-02	Page 1
	HOFFMANN
Type Certificate Holder	HO-V62
HOFFMANN PROPELLER ROSENHEIM	HO-V62R
Hoffmann GmbH & Co - KG Postfach 265	HO-V62H(S)
D 8200 - Rosenheim 2 WEST - GERMANY	MARCH 1993 ++

The propeller model described herein conforming with this data sheet which is part of Type Certificate $n^{\rm O}$ 8401 prescribes conditions and limitations under which, the propeller for which the Type Certificate was issued, meets the minimum standards for use in certificated aircraft, in accordance with pertinent type certificate data sheets and airworthiness requirements of the applicable portions of the Brazilian Regulations for Aeronautical Certification – RBHA – provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

- TYPE	Mechanically variable pitch
	(see NOTES 3 and 4)

- ENGINE SHAFT	Mounting	flange	80mm	(3.15")	diameter
	Boltcircl	e, 6 bo	lts 7/1	.6"- 20UN	F, center
	bore 47mm	(1.85")	diamet	ter	

- HUB MATERIAL Aluminum alloy

- BLADE MATERIAL

Laminated wood composite structure, epoxy fiber glass covered, with metal leading edge and tipping

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- NUMBER OF BLADES

Two

- HUB MODEL ELIGIBLE

HO-V62, HO-V62-R, HO-V62H (S)

Blades Eligible (See NOTE 2)	Maximum Continuous Power kW/rpm (shp)	Takeoff kW/rpm (shp)	Diameter Limits mm(in) See NOTE 2 min max	Approx.Max.WT (For reference only) kg (lb)
ь 160 т	53/3000 (71)	59/3400 (79)	1500 1650 (59) (65)	9,4 (21)
L160 BT	53/3000 (71)	59/3400 (79)	1550 1650 (61) (65)	
L160 BT	66/3000 (88,5)	71/3400 (95)	1550 1650 (61) (65)	
170FA	75 (2700) (101)	75 (2700) (101)	1600 1700 (63) (67)	10 (22)

- CERTIFICATION BASIS

RBHA 111/01; FAR35 effective September 1968, Emendas 35-1 e 35 - 2

German Luftfahrt - Bundesamt approval: N° 32.130/13 rev.12, de 20/05/92.

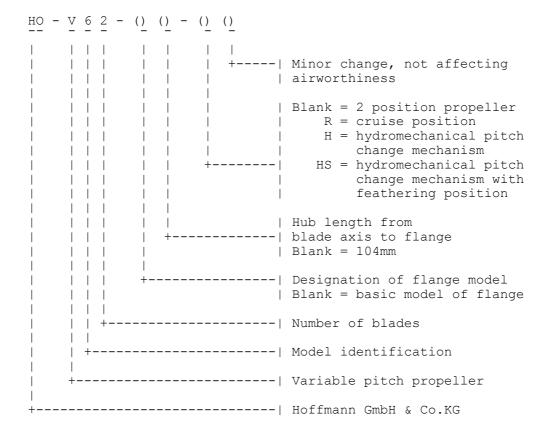
- APPLICATION DATE FOR TYPE CERTIFICATE:

L160T Blade: 07/07/1983 L160BT Blade ; 05/11/1984 170FA Blade : 10/08/1992

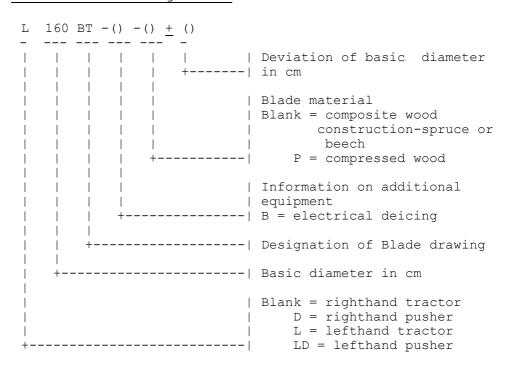
- IMPORT REQUIREMENTS

Each propeller exported separately must be accompanied by an Airworthiness Certificate for Export issued by the Luftfahrt Bundesamt attesting that the particular propeller was submitted to governmental quality control before delivery and is in conformity with the adopted certification basis.

- NOTE 1 : Hub Model Designation.



- NOTE 2 : Blade Model Designation



- NOTE 3: Pitch Control

Mechanically: V62; 2 positions, with actuating mechanism

fixed to airfame

V62R; 3 positions with actuating mechanism

fixed to airframe

V62H(S); hydromechanical pitch change mechanism with feathering position *

*Feathering position is to be carried out with the

feathering position lever only

- NOTE 4: (1) Feathering

Incorporates a mechanical feathering device

(2) Reversing

Not applicable

- NOTE 5 : Left-hand models

The left-hand version of an approved model propeller is eligible at the same rating and diameter as listed for the right-hand model. (See NOTES 1 and 2).

- **NOTE 6:** Interchangeability

Not applicable

- NOTE 7 : Accessories

(1) propeller spinner Eligible with Hoffmann spinners, VP 30-81 (to be used on propeller HO-V62) and VP~30-82 (to be used on propeller HO V62R)

- NOTE 8 : Shank Fairings

Not applicable

- NOTE 9 : Special Limits

Table of Propeller - Engine Combinations eligible Vibration wise for use on Normal Category Single - Engine Tractor Aircraft.

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown below. No reduction below the minimum diameter listed is permissible, since this figure includes the diameter reduction allowable for repair purposes.

Hub Model	•	· -	Max. Dia.	Min. Dia. mm (in)	Placards
 HO-V62 	 L160T 	 Limbach L2000 E01 EA1,EB1		 1500 (59) 	
HO-V621 	 L160Bt 	Limbach L2000 E01 EA1, EB1		 1550 (61) 	 NONE
HO-V62 (S)	•	Br.ob 2500 E1	 1610 (63) 	 1590(62,5) 	
 	 170 FA 	ROTAX912 	 1700(67) 	 1600(63) 	

- NOTE 10 : Special Notes

The word "eligible" as used herein does not signify approval as part of this Type Certificate. "Eligible" accessories must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.

CLODOALDO MATIAS DE OLIVEIRA - MAJ AV Chefe da Divisão de Homologação Aeronáutica Brig do Ar - NELSON DE SOUZA TAVEIRA Diretor do CTA

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